

## EXAMPLE SCENARIO 2

TABLE 2.2  
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN  
The Dean Company

Scenario Timeframe: Future
Medium: Groundwater
Exposure Medium: Air

Exposure Point	CAS Number	Chemical	Minimum (1) Concentration (Qualifier)	Maximum (1) Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (2)	Background Value (3)	Screening Toxicity Value (4) (N/C)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (5)
Water Vapors at Showerhead	117817	Bis(2-ethylhexyl)phthalate	2 J	5 J	ug/l	GW3D	4 / 12	7 - 11	5	NA	4.8 C	6	MCL	Y	ASL
	67663	Chloroform	0.6 J	9	ug/l	GW3D	3 / 12	1 - 1	9	NA	0.063 C	100	MCL	Y	ASL
	75150	Carbon Disulfide	0.3 J	4.5	ug/l	GW3D	3 / 12	1 - 1	4.5	NA	100 N	NA	NA	N	BSL
	76448	Heptachlor	2 J	33 J	ug/l	GW4D	6 / 12	0.05 - 0.05	33	NA	0.015 C	0.4	MCL	Y	ASL
	108883	Toluene	0.1 J	0.2 J	ug/l	GW3D	3 / 12	1 - 1	0.2	NA	75 N	1000	MCL	N	BSL

(1) Measured groundwater concentrations.

(2) Maximum concentration used for screening.

(3) To date, no background study has been completed.

(4) All compounds are screened against the Risk-Based Concentration (RBC) Table, U.S. EPA Region III, October 5, 2000 for tap water (cancer benchmark = 1E-06; HQ = 0.1).

(5) Rationale Codes:

Selection Reason: Above Screening Level (ASL)

Deletion Reason: Below Screening Level (BSL)

Definitions: NA = Not Applicable

COPC = Chemical of Potential Concern

ARAR/TBC = Applicable or Relevant and Appropriate Requirement/To Be Considered

MCL = Maximum Contaminant Level

J = Estimated Value

C = Carcinogen

N = Noncarcinogen